

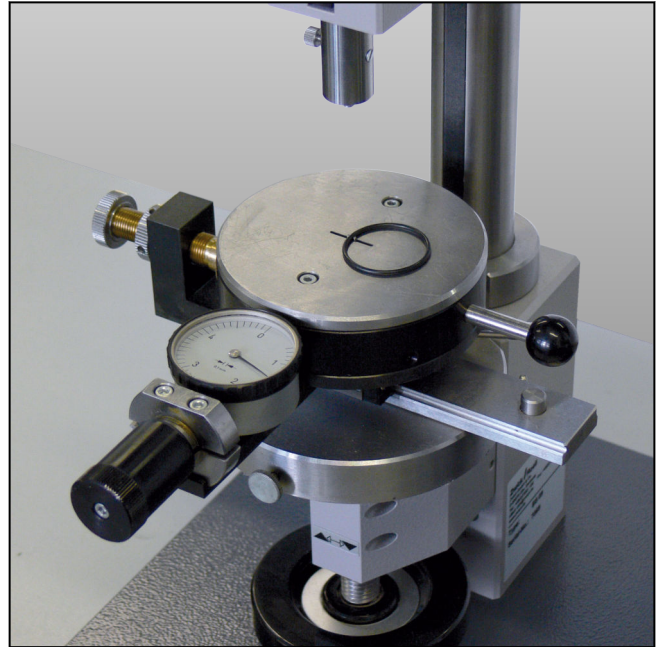
Product Information

ZwickRoell 3103 IRHD Micro Compact

CTA: 46149 46153



ZwickRoell 3103 IRHD micro compact Hardness Tester



Rapid centering device for O-rings

Applications

The IRHD Micro Compact hardness tester (ZwickRoell 3103) is designed for hardness testing in the IRHD micro range on plastics and rubber and satisfies the requirements of ISO 48, ASTM D1415, NFT 46003 and BS 903 Part A26.

It is used in quality assurance and for goods inwards and outwards checks by plastics and rubber manufacturers and processors.

Advantages and features

- The IRHD Micro Compact hardness tester consists of a test stand with built-in height-adjustable support table for specimens and an IRHD micro test device (ISO 48) with integrated electronics. It can be used for testing O-rings, seals, moldings and hoses; a minimum thickness of 0.6 mm is required.
- A 1-line LCD display shows measurement range, test time and measured value.

- The test time (0 – 99 s) and language (English, French or German) can be set via coding switches.
- At the end of the test time the measured value is shown automatically on the display; the testXpert III testing software enables transfer to the PC via RS232 interface for processing and archiving.
- With testXpert III the test results are automatically transferred to a suitably prepared test report and statistically evaluated. A clear, informative test report is essential for product quality in line with ISO 9000.
- Key plus points:
 - short training/familiarization time
 - short measurement cycle
 - no tedious travel to test starting point “100”
 - rapid setting for series tests
 - no adjustment required
- A special centering station for rubber hoses, a magnifier and a swiveling mount with magnifying lens are optionally available.

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Technical data

ZwickRoell 3103 IRHD Micro Compact hardness tester

Comprising:

Description	Item number
Test stand with height-adjustable support table	324632
IRHD Micro Compact measuring device with integrated electronics and display	010275
or: IRHD Normal measuring device with integrated electronics and display	046963

Optional accessories

Indenters

Description	Item number
Interchangeable indenter (replacement): IRHD micro = ball, Ø 0.4 mm	890244

Supplementary units

Description	Item number
Rapid centering device for O-rings (material diameter 0.6 to 5 mm)	890247
Movable retaining block with prism for exact centering of hoses; can be attached to the test table	890246
Magnifying lens with swivel arm, 2.5x magnification	890245
Plug-type power supply unit including 2 adapters for Europe and USA Wide voltage range: 90-264 VAC, 115 VAC, 50/60 Hz	320038

Test certificates

Description	Item number
Quality inspection certificate "M" as per ISO 48 IRHD micro; with check on pre-load, test load, total load, contact pressure, load sleeve, indenter; as per ISO 9000	891103

Official DAkkS/DKD calibration certificates

Description	Item number
Official DAkkS/DKD calibration certificate for IRHD micro (check performed in accordance with PTB guidelines) Compression platen, indenter, indenter travel, forces on ball, force on compression platen as per ISO 48	307666
Official DAkkS/DKD calibration certificate for IRHD normal (check performed in accordance with PTB guidelines) Compression platen, indenter, indenter travel, forces on ball, force on compression platen as per ISO 48	307667